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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/812,574	03/29/2004	Miyashita Kazuhiro	1981038	3662
	7590 03/20/2007 OR INTERNATIONAL	EXAMINER		
20775 Norada Court Saratoga, CA 95070-3018			TON, ANABEL	
			ART UNIT	PAPER NUMBER
			2875	
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SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MO	NTHS	03/20/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	, ;	Application No.	Applicant(s)			
		10/812,574	KAZUHIRO ET AL.			
	Office Action Summary	Examiner	Art Unit			
		Anabel M. Ton	2875			
Period fo	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period we are to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONEI	l. ely filed the mailing date of this communication. 0 (35 U.S.C. § 133).			
Status	•					
· 1)⊠	Responsive to communication(s) filed on 27 De	ecember 2006.				
2a)⊠	This action is FINAL . 2b) This action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposit	Disposition of Claims					
5)□ 6)⊠ 7)□	Claim(s) 45 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 45 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or		•			
Application Papers						
10)□	The specification is objected to by the Examiner The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex-	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
A44a-b	4/à\		•			
2) Notice 3) Information	ct(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) cr No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P. 6) Other:	te			

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DETAILED ACTION

Claim Rejections - 35 USC § 112

- Claim 45 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite 1. for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Applicant claims a plurality of lower prisms having an emitting face propagating light inside a light guiding plate, and then continues to claim a light guiding plate engaged with the plurality of lower prisms. It is unclear if applicant is referring to an additional light guiding plate related to the lower prisms of if this light guiding plate is one in the same. The same applies to the light guiding plate claimed with relation to the plurality of upper prisms. Applicant has not disclosed a clear structural relationship between the prisms and light guide plates in that it is unclear how they are structurally integrated with each other and on which side of the prisms the light quide(s) are disposed. Applicant recites "said totally reflected light beams transmitting through said upper prism plate can be looked as if those were emitted from nearby of border of corresponding lower prisms of LGP", it is not understood what applicant is intending to define by this recitation in particular the recitation that the light beams "can be looked as if those were emitted from nearby of border of corresponding lower prisms of LGP". The same applies for the earlier recitation of the light beams "being able to be looked at".
- 2. As best understood the following rejection applies.

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Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claim 45 is rejected under 35 U.S.C. 103(a) as being unpatentable over Saito (5,890,791).
- 5. Saito discloses an LCD backlight module emitting light beams, to predetermined angle range, and pointing to a predetermined orientation, including: a plurality of lower prisms (12b); each comprising an emitting face, making light beams propagating in an angle range inside a light guiding plate transmitting through the emitting thee of the lower prisms (inherent property of a light guide plate with prisms); a light guiding plate (13), engaged with the a plurality of lower prisms to be as, an integral unit; a plurality of upper prism(13a), each comprising an entering face (nearest to light source) and an total reflecting face (internal portion of 13), making light beams transmitting into the its entering face being be reflected totally from the total reflecting face and transmit through an upper prism plate in predetermined, orientations(figs 2,19,20); an upper prism plate, engaged with a plurality of upper prisms to be an integral unit (13); wherein light beam propagating in the predetermined angle range inside LGP is refracted by a corresponding one of said lower prism and transmits through said emitting face of the corresponding lower prism, and the passes through an

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air gap; said light beam is incident on, refracted by and transmit into said entering face of a corresponding upper prism; said light beam propagates inside said upper prism and onto said total reflecting face, and then said light beam is totally reflected from said total reflecting face, and further said totally reflected light beams transmits through said upper prism plate, limited to said predetermined angle range, pointing to said predetermined orientations, being able to be looked as if that is emitted from corresponding specified positions of LGP (cols. 6-8); wherein a cross section of said lower prism is quasi-triangle(fig 2); wherein a cross section of said upper prism is quasi-triangle(fig 3); and said totally reflected light beams transmitting through said upper prism plate can be looked as if those were emitted from nearby of border of corresponding lower prisms of LGP.

• Sato does not disclose the equations represented in lines 34,38,41,46 and 48. It would have been obvious to one of ordinary skill in the art at the time the invention was made for the range of angles of the upper and lower prisms as represented in the aforementioned claim lines to be representative of the range of angles of the upper and lower prisms of Sato since it has been held that discovering an optimum value of a result effective variable involves only routine skill in the art. *In re Boesch*, 617 F.2nd 272, 205 USPQ 215 (CCPA 1980).

Moreover, it appears that the values of the emission angles of the light guide plates and system of Sato work equally as well as applicants.

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Conclusion

6. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anabel M. Ton whose telephone number is (571) 272-2382. The examiner can normally be reached on 08:00-16:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on (571) 272-2378. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Anabel M Ton Examiner Art Unit 2875

TMA

Supervisory Patent Examiner Technology Center 2800